

REMARKS

INTRODUCTION

In accordance with the foregoing, claims 1, 3, 5, 6, 8, 11, 13, 15, 20, 21, 23, 24 and 26 have been amended. Claims 2, 7, 9, 10, 12, 17-19, 22 and 25 have been cancelled. Claims 1, 3-6, 8, 11, 13-16, 20, 21, 23, 24 and 26 are pending and under consideration.

CLAIM REJECTIONS

Claims 1, 2, 11 and 12 were rejected under 35 USC 102(b) as being anticipated by Paratore (US 6,243,258) (hereinafter "Paratore").

Claims 3, 4, 13 and 14 were rejected under 35 USC 103(a) as being unpatentable over Paratore in view of Kim (US 6,105,143) (hereinafter "Kim").

Claims 5-10 and 15-21 were rejected under 35 USC 103(a) as being unpatentable over Paratore in view of Jeong (US 5,621,437) (hereinafter "Jeong").

Claims 22, 23 and 25 were rejected under 35 USC 103(a) as being unpatentable over Paratore in view of Jeong and further in view of Moon (US 6,275,376) (hereinafter "Moon").

Claims 24 and 26 were rejected under 35 USC 103(a) as being unpatentable over Paratore in view of Jeong and Moon and further in view of Kim.

Paratore discusses a hand held user computer interface. In Paratore, the computer includes a processor 400, a controller 402, a clock/timing generator 408, a cache random access memory (RAM) 406, a main memory 404, a power supply 422, a battery 423, a Flash erasable programmable read only memory (EPROM) 410, a digitizer chip set 420, a microcontroller 412, a keyboard control logic 414, a liquid crystal display (LCD) contrast control 444, a VGA controller 440, an LCD 442, and an input/output (I/O) slice 428. Paratore, 4:45-4:52 and Figure 4.

Further in Paratore, a microcontroller 412 is connected to the controller 402 and receives keyboard inputs through associated control logic 414. The keyboard control logic 414 receives an input signal through the controller 402 when switch 22a and bracket 22b are in contact with each other to disable the keyboard when it is pivoted to a position underneath the display unit. Paratore, 4:64-5:3 and Figures 3 and 4.

Still further in Paratore, the microcontroller 412 is also connected to the LCD contrast control logic 444. This logic, together with video signals from the VGA controller 440, controls the LCD 442. Connected to bus 407 is an optional interface logic, which can be connected to a modem or a local area network (LAN) interface card. Also connected to bus 407 is the digitizer chip set 420, which is connected to detect and measure the movements of the computer's pen. The power supply 422 is connected to bus 407 and is driven by battery 423. The I/O slice 428 plugs into the side of the computer 10 using an 86 pin connector. This connector expansion unit provides industry-standard connectors for serial ports, parallel ports, SCSI interface, and for optional docking to external display and/or keyboard units. Paratore, 5:4-5:17 and Figure 4.

Jeong discusses a data input/output control unit for a touch panel interface device including a touch panel for sensing coordinates of a point touched by a user's pen and generating an analog signal in accordance with the sensed result, a data detector for detecting input data to the touch panel, a control circuit for controlling a system operation in response to an output signal from the data detector, a switch for turning on/off supply power to the touch panel in response to a first control signal from the control circuit, an analog/digital converter for converting the analog signal from the touch panel into digital data in response to a second control signal from the control circuit and outputting the converted digital data to the control circuit, and a serial communication circuit for performing a serial communication with other systems in response to a third control signal from the control circuit. Jeong, Abstract.

Kim discusses a power control device and method of controlling power of peripheral devices of a computer system using a universal serial bus (USB) hub.

Moon discusses a portable computer display tilt/swivel mechanism and method.

Claims 1-10

Amended claim 1 recites: "...a first switching part turning on/off power supplied to a body input part provided in the main body, wherein the position sensor detects whether the body input part is covered by the display part and the controller turns off the first switching part if the position sensor detects that the body input part is covered by the display part..." Support for this amendment may be found in at least original claims 2 and 7. Original claim 7 recited "a second switching part" but when this feature was incorporated into claim 1, it was amended to "a first switching part" so that "a first switching part" was recited prior to the second switching part recited in amended claim 5.

As noted in the Office Action, Paratore does not discuss a switching part turning on/off power supplied to a body input part, such as a keyboard. The Office Action relies on Jeong to cure this deficiency in Paratore. However, Jeong does not teach or suggest this feature of claim 1. Jeong does discuss a switch for turning on/off supply power to the touch panel in response to a first control signal from the control circuit, but makes no mention of a switch to turn off the power to a body input part such as a keyboard. As a switching part to turn on/off power to the body input is not discussed in either Paratore or Jeong, it is respectfully submitted that claim 1 is not obvious over these references.

The Examiner states that an additional switching part connected between the controller and the body input part is mere duplication and obvious. Paratore discusses a portable computer where the keyboard is disabled when the portable computer is in a pen input mode because the design of the portable computer of Paratore is such that the keyboard would be face down when the portable computer is in pen input mode and the keys of the keyboard may be accidentally depressed. Paratore makes no mention of power saving. Jeong does discuss power saving but only it is directed to saving power when a touch screen is not in use for a predetermined amount of time. Jeong does not discuss that when the touch screen is put in a suspended power saving mode that another component is activated. For at least these reasons, it is respectfully submitted that claim 1 patentably distinguishes over the cited prior art.

Claims 2, 7, 9 and 10 have been cancelled. Claims 3, 5, 6 and 8 depend on claim 1 and are therefore believed to be allowable for at least the foregoing reasons.

Withdrawal of the foregoing rejection is requested.

Claims 11-20

Amended claim 11 recites: "...cutting off power supplied to a body input part provided in the main body if the display part is detected to be converting-rotated into a converting rotation zone..." Support for this amendment may be found in at least original claims 12 and 19. It is respectfully submitted that neither Paratore nor Jeong discusses cutting off power supplied to a body input part provided in the main body if the display part is detected to be converting-rotated into a converting rotation zone.

Claims 12 and 17-19 have been cancelled. Claims 13-16 and 20 depend on claim 11 and are therefore believed to be allowable for at least the foregoing reasons.

Withdrawal of the foregoing rejection is requested.

Claims 21-26

Amended claim 21 recites: "...a micro controller controlling the power supplied to the controller and the body input part according to the rotated viewing positions detected by the position sensor." Support for this amendment may be found in at least original claims 22 and 25. It is respectfully submitted that neither Paratore nor Jeong recites a portable computer having a micro controller controlling the power supplied to the controller and the body input part according to the rotated viewing positions detected by the position sensor

Claims 22 and 25 have been cancelled. Claims 23, 24 and 26 depend on claim 21 and are therefore believed to be allowable for at least the foregoing reasons.

Withdrawal of the foregoing rejection is requested.

CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: January 23, 2007

By: Gregory W. Harper
Gregory W. Harper
Registration No. 55,248

1201 New York Avenue, N.W., 7th Floor
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501